

Citing
References

84231330. PubMed ID: 6203528. Characterization of the RNA dependent DNA polymerase of a new human T-lymphotropic retrovirus (**lymphadenopathy associated virus**). Rey M A; Spire B; Dormont D; Barre-Sinoussi F; Montagnier L; Chermann J C. Biochemical and biophysical research communications, (1984 May 31) Vol. 121, No. 1, pp. 126-33. Journal code: 0372516. ISSN: 0006-291X. Pub. country: United States. Language: English.

AB We described here the characteristics of the **Reverse Transcriptase** activity associated with the **Lymphadenopathy Associated Virus (LAV)**. A critical concentration of non ionic detergent, all four deoxyribonucleosides triphosphates and the divalent cation Mg^{2+} are required for optimal **endogenous** enzyme activity. The **endogenous** reaction product is digested by DNase and not by RNase and its synthesis is only slightly inhibited by actinomycin D. Exogenous reactions are optimal using poly A oligo dT12 -18 or poly Cm oligo dG12 -18 as template primer and Mg^{2+} as divalent cation. This enzyme can be distinguished from other cellular DNA polymerases activities and from Terminal deoxynucleotidyl Transferase (TdT) by purification from **LAV** infected T lymphocytes using phosphocellulose column.

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